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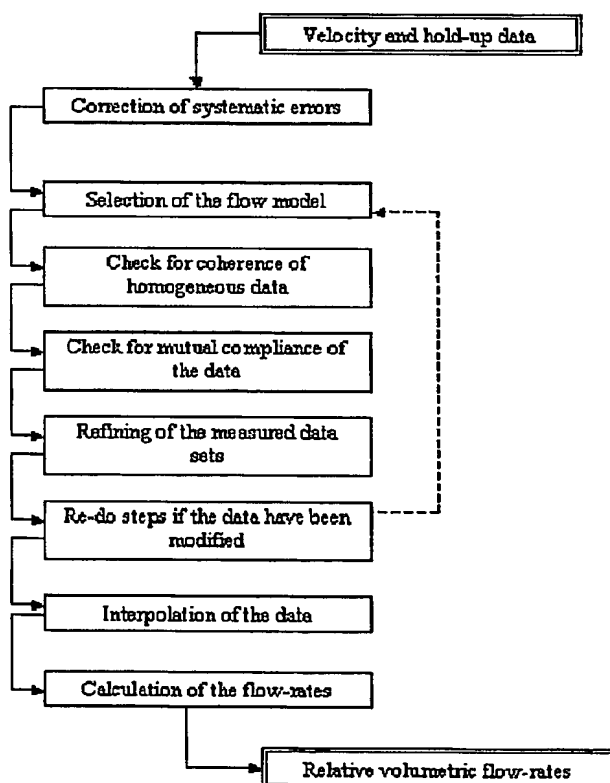
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- (71) Applicant (for FR only): **SERVICES PETROLIERS SCHLUMBERGER** [FR/FR]; 42, rue Saint Dominique, F-75007 Paris (FR).
- (71) Applicant (for GB, JP, NI, NL, RO only): **SCHLUMBERGER HOLDINGS LIMITED** [—/—]; Craigmuir Chambers Road Town, PO BOX 71, Tortola (VG).
- (71) Applicant (for CA only): **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 24th-Floor - Monenco Place, 801 6th Avenue SW, Calgary, Alberta T2P 3W2 (CA).
- (71) Applicant (for BF, BJ, CF, CG, CI, CM, CZ, DZ, GA, GN, GQ, GW, IN, LT, MA, ML, MR, NE, PG, SN, TD, TG, TN, VN only): **PETROLEUM RESEARCH & DEVELOPMENT N.V.** [NL/NL]; De Ruyterkade 26, Willemstad, Curacao (AN).
- (71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE, BG, BY, BZ, CH, CO, CR, CU, CY, DE, DK, DM, EC, EE, ES, FI, GD, GE, GH, GM, GR, HR, HU, ID, IE, IL, IS, IT, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LU, LV, MC, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RU, SC, SE, SG, SI, SK, SL, SZ, TJ, TM, TZ, UA, UG, UZ, VC, YU, ZA, ZM, ZW only): **SCHLUMBERGER TECHNOLOGY B.V.** [NL/NL]; Parkstraat 83-89, NL-2514 JG The Hague (NL).
- (71) Applicant (for CN only): **SCHLUMBERGER OVERSEAS S.A.** [PA/PA]; 8 Calle Aquilino de la Guardia, Panama City (PA).

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(54) Title: METHOD FOR INTERPRETING DATA MEASURED IN A HYDROCARBON WELL IN PRODUCTION



(57) Abstract: The invention concerns a method for calculating the relative volumetric flow-rates of at least one of the phases of a multiphase effluent flowing in a well, said method comprising a first step of acquiring local volumetric fractions and/or velocities of said phases across a section of the well at a certain depth. The method further comprises: - corrections of said local volumetric fraction and/or velocity measurements in order to make them consistent with each other and/or with the effluent flow conditions; - selection of a suitable flow model mathematically representing the effluent flow; - interpolation of said local volumetric fraction measurements and/or said local velocity measurements by the selected flow model in order to obtain a volumetric fraction profile and/or a velocity profile for at least one phase of the effluent across said section of the well at said depth. - calculation of the relative volumetric flow-rates of said at least one phase by integration of said volumetric fraction and/or velocity profiles over said section of the well at said depth.

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(71) Applicant (for AE, OM, SD, SY, TR only): **SCHLUMBERGER OILFIELD ASSISTANCE LIMITED** [PA/PA]; 8 Calle Aquilino de la Guardia, Panama City (PA).

(71) Applicant (for BR only): **SCHLUMBERGER SURENCO S.A.** [PA/PA]; 8 Calle Aquilino de la Guardia, Panama City (PA).

(71) Applicant (for TT only): **SCHLUMBERGER SERVICES LIMITED** [—/—]; PO Box 438, Tortola (VG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FAUR, Marian** [FR/FR]; 6 Square de l'Alliance, F-91300 Massy (FR). **MARCUS, Remi** [FR/FR]; 16, rue Durantin, F-75018 Paris (FR).

(74) Agents: **HYDEN, Martin** et al.; ETUDES ET PRODUCTIONS SCHLUMBERGER, PROPRIETE INTELLECTUELLE, 1, rue Henri Becquerel, BP 202, F-92142 CLAMART Cedex (FR).

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